ABSTRACT

[0066] A telecommunications system and method which includes a transmitter, a first code generator for generating a noise code and a second code generator for generating a string-based code, wherein data which is transmitted by the transmitter is coded by the first and second code generators before transmission. One of the code generators preferably comprises a pseudorandom noise generator, and the other code generator preferably comprises a cyclic redundancy checking coder for assisting in deskewing of data. The telecommunications system allows the transmitter to dynamically request additional bandwidth from the telecommunications provider in order to efficiently transmit data. The present telecommunications system also substantially reduces skew experienced between the transmitter and the receiver.